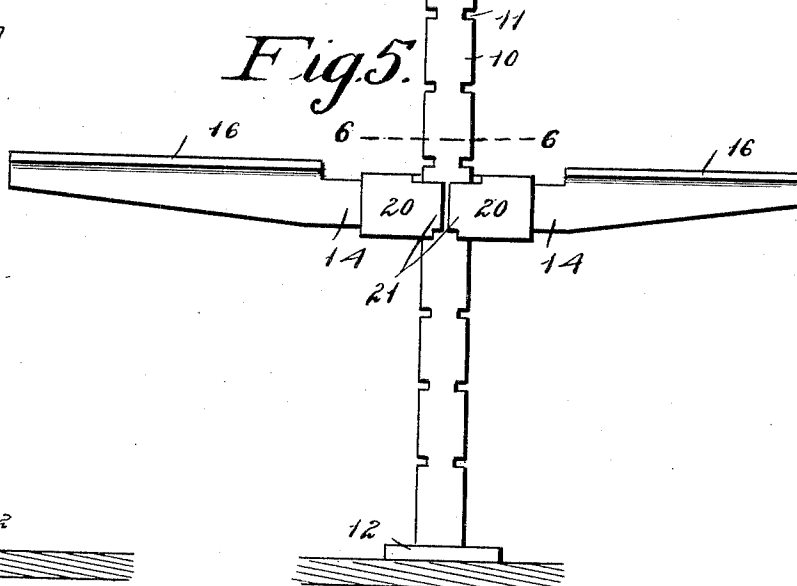
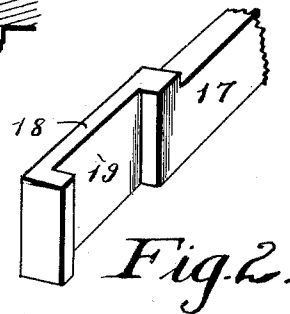
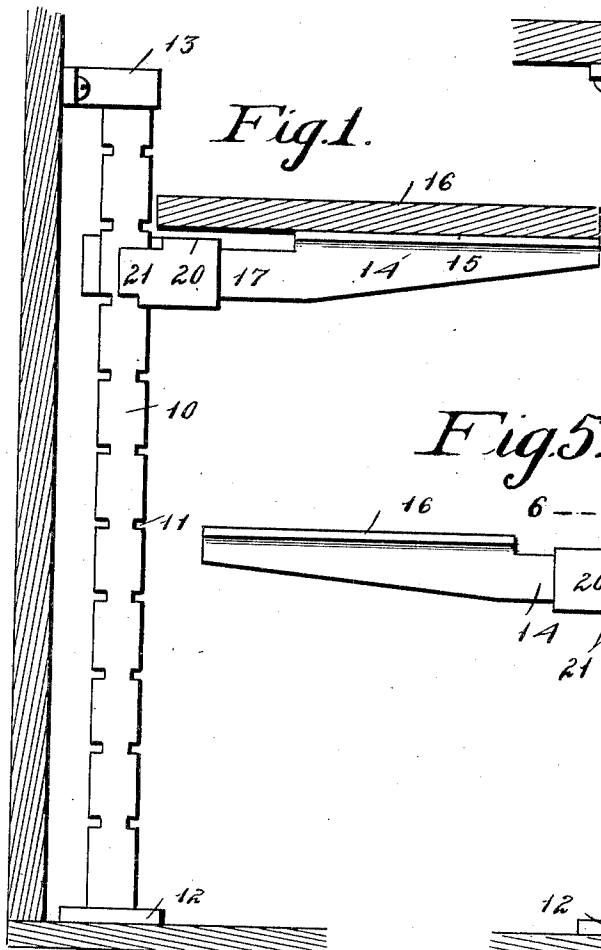
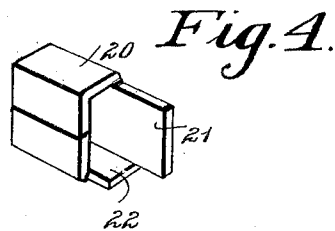
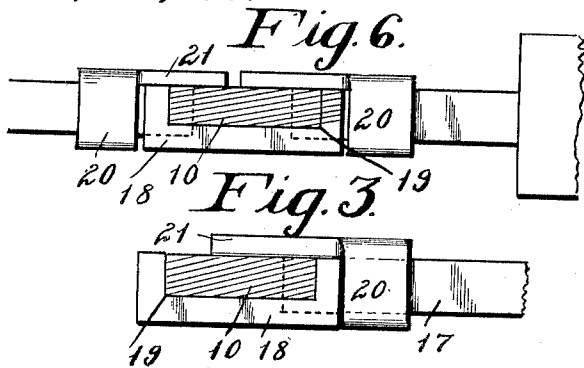


W. C. McFADDEN.
 DISPLAY SHELVING.
 APPLICATION FILED NOV. 28, 1910.

1,009,679.

Patented Nov. 21, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM CARLOS McFADDEN, OF FAIRFIELD, IOWA.

DISPLAY-SHELVING.

1,009,679.

Specification of Letters Patent. Patented Nov. 21, 1911.

Application filed November 28, 1910. Serial No. 594,553.

To all whom it may concern:

Be it known that I, WILLIAM C. McFADDEN, a citizen of the United States, residing at Fairfield, in the county of Jefferson and State of Iowa, have invented a certain new and useful Display-Shelving, of which the following is a specification.

The object of my invention is to provide a shelf support of simple, durable and inexpensive construction in which the brackets that support shelves are firmly and securely attached to the uprights against movement in all directions and which, at the same time, may be readily and easily released without the use of tools and readjusted to any other desired part of the upright and firmly fixed in said position without tools.

More specifically it is my object to provide a device of this kind which may be used either for the purpose of a single row of shelves adjacent to a wall or a double row of shelves across the center of a room.

My invention consists in certain details, in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which:

Figure 1 shows a side elevation of a device embodying my invention, the supporting wall and a shelf being shown in section. Fig. 2 shows a detail, perspective view of the end of the supporting bracket that is connected to the upright. Fig. 3 shows a top or plan view of the supporting bracket and the sliding latch device thereon, the locking lug of the sliding device being shown by dotted lines and the upright to which the bracket is attached being shown in section. Fig. 4 shows a detail, perspective view of the sliding lock device. Fig. 5 shows a side elevation of a modified form of my invention in which two shelf supports are formed on a single bracket to extend on opposite sides of the upright, and Fig. 6 shows a sectional view on the line 6—6 of Fig. 5.

Referring to the accompanying drawings, I have used the reference numeral 10 to indicate an upright on which the display shelving is mounted. It preferably consists of a single metal bar, rectangular in cross section, and is provided with a series of notches 11 spaced apart from each other and on both sides of the upright. At the bottom of the

upright is a base 12 that may be secured to a floor and at the top of the upright is a bracket 13 that may be secured to a wall so that said upright may be firmly supported in position slightly spaced apart from a wall.

My improved bracket comprises a body portion 14 having at its top a flat plate 15 upon which a shelf 16 may be supported. Adjacent to the body portion 14 at one end is a smooth straight shank 17, rectangular in cross section, and at the end of this shank is an enlarged end portion 18 having a recess 19 at one side, which recess is designed to receive the upright 10 and to overlap one side and two edges thereof, said recess being open at the opposite side of the upright. This recess is preferably of such size as to loosely receive the upright so that the bracket may readily and easily be moved vertically upon the upright.

For locking the bracket to the upright I have provided a locking member consisting of a rectangular hollow body portion 20, clearly shown in Fig. 4, designed to completely encircle the shank 17 and to freely slide thereon. At the side of one edge of said body portion is a projecting plate 21 designed to overlap the side of the upright opposite from the enlarged end 18 and at the bottom of the same edge of the locking device is a locking lug 22 designed to enter and fit into any one of the notches 11. The part 21 projects from the body portion 20 farther than the part 22 so that before the locking lug 22 enters the notch 11 the plate 21 will be projected over the side of the upright to prevent the bracket from moving laterally away from the upright.

In the modified form, illustrated in Figs. 5 and 6, the bracket is shown to be provided with two plates 16 for supporting two shelves on opposite sides of the upright. It also has two shanks 14 and only one recess 19 at its center. In this form of the invention I provide two of the locking devices 20, each being placed in one of the shanks 14 and said locking devices are capable of sliding toward and from each other.

In practical operation it is obvious that two or more of the uprights may be readily and easily secured to a floor and a wall and on each upright any desired number of supporting brackets may be applied. The corresponding brackets on the various uprights may be readily and easily adjusted to posi-

tion in line with each other and when this is done the sliding lock device may be moved to closed position to thereby firmly and securely hold the bracket to position.

5 One of the advantages of my invention is that any one of the various brackets may be either adjusted vertically on its upright or entirely removed without affecting the others. If it is desired to simply adjust the
10 bracket vertically the sliding lock device 20 is moved away from the upright until the lug 22 is clear of the notch 11, then the bracket may freely slide up and down on the upright but cannot become detached
15 therefrom. If however it is desired to detach the bracket the locking device is moved farther away from the upright until the plate 21 is clear of the upright, then the bracket may be detached by moving it laterally away from the upright.
20

In use the locking device is always firmly held in position because the locking lug 22 has the entire weight of the bracket and shelves resting on it and it therefore cannot
25 move out of the slot 11.

My improved shelving device is especially advantageous on account of its being adaptable to be placed in the center of a room and when this is done the shelves may be
30 placed on both sides of the upright, as shown in Fig. 5, or on only one side, as shown in Fig. 1, and in either case a very neat, durable and ornamental shelf support is provided.

35 I claim as my invention:

1. An improved display shelving device, comprising an upright having notches in one edge, a bracket comprising a supporting plate for a shelf, and an arm extended substantially horizontal toward the upright,
40 said arm being provided with a recess designed to receive the upright and to engage both edges thereof, said recess being open at one side so that the arm may be readily and easily applied to the upright or removed therefrom, and a sleeve slidingly
45 mounted upon the arm, said sleeve being provided with a lug designed to enter any of the notches in the upright and being also provided with a flange designed to
50 overlap the side of the upright opposite from the side on which the arm is placed, said flange on the sleeve being of greater length than the notch so that the sleeve may
55 be moved a short distance in a direction

away from the upright to withdraw the lug from the notch without permitting the bracket to become detached from the upright, said parts being also so arranged that the sleeve may be moved away from the upright far enough to permit the removal of the arm from the upright, for the purposes stated. 60

2. An improved display shelving device, comprising an upright having notches in one edge, a bracket designed to receive a shelf, a rectangular arm on said bracket extended horizontally and provided with a recess on one side designed to receive the upright, and a sliding lock device on said arm, comprising a body portion encircling the arm, a projecting plate at one side designed to overlap the side of the upright opposite from the side on which the arm is placed, the bottom of the lock device being provided with a projecting locking lug to enter a notch in the upright, said lug being shorter than said plate and said parts being so arranged that the lug may be moved out of the notch and the plate will hold the arm in such position that the arm cannot be removed from the upright. 70 75 80

3. An improved display shelving device, comprising an upright having notches at both edges, a bracket having plates at its end portions designed to receive shelves and also having two straight shanks at opposite sides of its center, the center of the bracket being provided with a recess to receive the upright and two locking devices, each slidingly mounted on one of said shanks and each comprising a body portion shaped to encircle the shank, a plate projecting into the side of one edge thereof to overlap the upright on the side opposite from the side on which the bracket is placed, and a lug at the bottom of each locking device designed to enter the adjacent notch in the edge of the upright, said lugs being shorter than said plates so that the locking devices may be moved to position with the lugs out of engagement with the upright and the plates in engagement with the upright, for the purposes stated. 85 90 95 100

Des Moines, Iowa, November 12, 1910. 105

WILLIAM CARLOS McFADDEN.

Witnesses:

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W. H. JULIAN.